



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



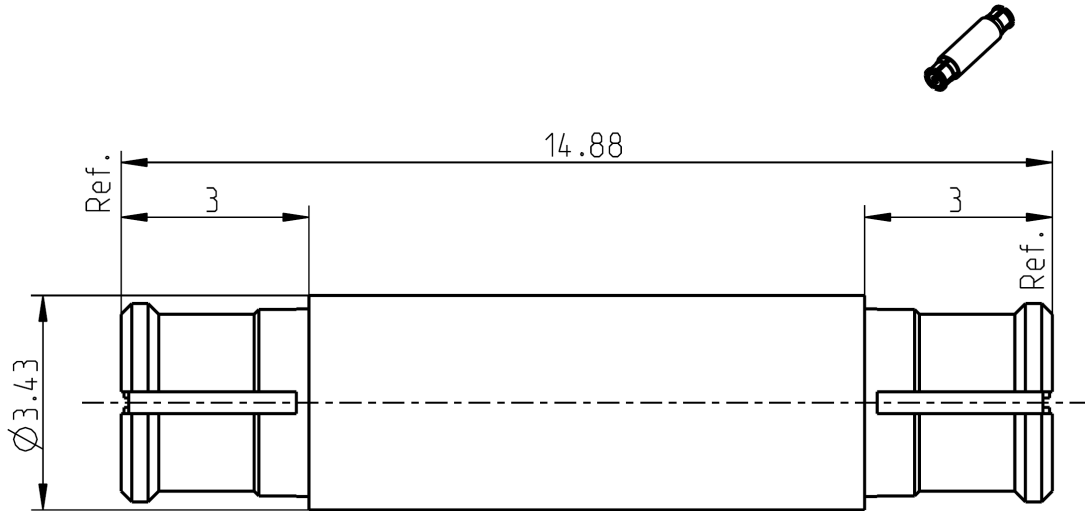
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All dimensions are in mm; tolerances acc. to ISO 2768 m-H

**Interface**

according to MIL-STD-348

**Documents**

N/A

**Material and Plating**

**Connector parts**

Center contact  
Outer contact  
Dielectric

**Material**

CuBe  
CuBe  
PTFE

**Plating**

AuroDur®, gold plated  
AuroDur®, gold plated

# Technical Data Sheet

# Rosenberger

SMP

Adaptor  
Jack - Jack

19K119-K38L5

### Electrical Data

Impedance	50 Ω
Frequency	DC to 26.5 GHz
Return loss	≥ 28 dB @ DC to 4 GHz ≥ 18 dB @ 4 GHz to 12 GHz ≥ 15 dB @ 12 GHz to 18 GHz
Insertion loss	≤ 0.1 x √f [GHz] dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 6 mΩ
Outer contact resistance	≤ 2 mΩ
Test voltage (at sea level)	500 V rms
Working voltage (at sea level)	335 V rms
Contact Current	≤ 1.2A DC

### Mechanical Data

Mating cycles	
if mating part is Smooth bore, Catchers mit	≥ 1000
if mating part is Limited detent	≥ 500
if mating part is Full detent	≥ 100
Center contact captivation	≥ 7 N
Engagement force	
- Smooth bore, Catchers mit	≤ 9 N
- Limited detent	≤ 45 N
- Full detent	≤ 68 N
Disengagement force	
- Smooth bore, Catchers mit	≥ 2.2 N
- Limited detent	≥ 9 N
- Full detent	≥ 22 N

### Environmental Data

Temperature range	-65 °C to +155 °C
Rapid change of temperature	IEC 60068-2-14 (-65°C to 155°C, 1h dwell, 50 cycles)
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition A
Damp heat	IEC 60068-2-78 (40°C, 93% RH, 56d)
High temperature endurance	IEC 61169-1, Sub-clause 9.6 (+155°C, 1000 hours)
RoHS	compliant

### Tooling

N/A

### Suitable Cables

N/A

### Weight

Weight 0.60 g/pc

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
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